

ABSTRACT OF THE DISCLOSURE

A hand-held image scanner includes an elongate body, a line sensor extending in the body longitudinally thereof for reading an original document as the body moves along the document, a roller shaft rotatably supported in the body to extend longitudinally of the body, at least one roller supported on the roller shaft for rotating therewith while rolling on the document. The scanner also includes a rotary encoder for detecting the rotation of said at least one roller for determining a scanning distance of the body, and a drive transmission for connecting the roller to the rotary encoder. The rotary encoder includes a rotary disk supported on a disc shaft. The disc shaft extends perpendicularly to the roller shaft.